



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

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AUG 11 2003  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
LOS ANGELES

17W122

4239D, P9267

Intel  
EFT

AUGUST 07, 2003

ENTERED

U.S. Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

PTAS  
BLAKELY, SOKOLOFF, TAYLOR ET AL

AUG 12 2003

JOHN P. WARD

12400 WILSHIRE BOULEVARD, 7TH FLOOR  
LOS ANGELES, CA 90025

STATUS DB-LA



\*102396060A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER  
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA  
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD  
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY  
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.  
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/20/2003

REEL/FRAME: 013855/0930  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ZHAO, QINGWEI

DOC DATE: 02/06/2003

ASSIGNOR:

LIN, ZHIWEI

DOC DATE: 02/08/2003

ASSIGNOR:

YAN, YONGHONG

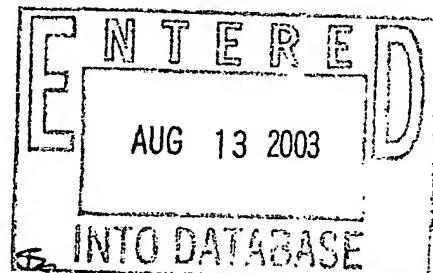
DOC DATE: 03/12/2003

ASSIGNEE:

INTEL CORPORATION  
2200 MISSION COLLEGE BOULEVARD  
SANTA CLARA, CALIFORNIA 95052-8119

SERIAL NUMBER: 10019382

FILING DATE: 03/20/2003  
PATENT NUMBER:



MARY BENTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

03-21-2003

FORM PTO-1595  
(Rev. 3/01)  
OMB NO. 0651-0011 exp. 5/31/2002

F

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

102396060

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1. Name of conveying parties:

Qingwei Zhao

3.20.03

Zhiwei Lin

Yonghong Yan

Additional name(s) of conveying party(ies) attached?

 No  Yes

## 2. Name and address of receiving party:

Name: Intel Corporation

Internal Address: \_\_\_\_\_

Street Address: 2200 Mission College Boulevard

City: Santa Clara State/Provence: CA Zip: 95052-8119Country: USAdditional name(s) & address(es) attached?  Yes  No

## 3. Nature of Conveyance

Assignment  Merger  
 Security Agreement  Change of Name  
 Other:

Execution Dates: 02/06/03, 02/08/03, 03/12/03

## 4. Application Number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No. PCT/CN00/00292 and  
10/019,382

B. Patent No.(s)

Additional numbers attached?  Yes  No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Blakely, Sokoloff, Taylor & Zafman LLP

Internal Address: \_\_\_\_\_

Street Address: 12400 Wilshire Boulevard, 7<sup>th</sup> FloorCity: Los Angeles State: California Zip: 900256. Total number of applications and patents involved: 54

7. Total Fee (37 CFR 3.41).....\$40.00

 Enclosed Deficiencies authorized to be charged to deposit account

8. Deposit Account Number:

02-2666

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document

John P. Ward

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner of Patents, Box Assignments  
Washington, D.C. 20231-0001

Atty Docket No. 42390.P9267

03/21/2003 LMUELLER 00000017 022666 10019382

01 FC:8021

40.00 CH

40.00 CP

Attorney's Docket  
No.: 42390.P9267

**ASSIGNMENT**  
(For Execution After Filing Patent Application)

PATENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We, the undersigned, Qingei Zhao, Zhiwei Lin, and Yonghong Yan, hereby sell, assign, and transfer to Intel Corporation, a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara CA 95052-8119, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the PCT application for the international patent that was filed 09/28/2000 and assigned international Application No. PCT/CN00/00292 and is entitled METHOD AND SYSTEM FOR EXPANDING A WORD GRAPH TO A PHONE GRAPH BASED ON A CROSS-WORD ACOUSTICAL MODEL TO IMPROVE CONTINUOUS SPEECH RECOGNITION, and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on or before the expiration of the term of said patent or any extension or reissue thereof, and in and to all improvements, and in and to all original patents, reissued patents, reexamination certificates, and extensions that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

Agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

~~12-3-03:17:49  
120 10:42 MAX~~

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BST&amp;Z

\* 77 7

007

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: Mar 12, 2003 Qingwei Zhao  
Name: Qingwei Zhao

Date:                   , 20                     
Name: Zhiwei Lin

Date:                   , 20                     
Name: Yonghong Yan

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90026-1026  
(408) 720-8300

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: \_\_\_\_\_, 20 \_\_\_\_ Name: Qingwei Zhao

Date: Feb 08, 2003 Zhiwei Lin  
Name: Zhiwei Lin

Date: \_\_\_\_\_, 20 \_\_\_\_ Name: Yonghong Yan

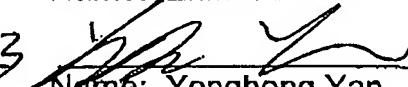
Assignment Document Return Address:

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12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8300

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Date: \_\_\_\_\_, 20 \_\_\_\_ Name: Qingwei Zhao

Date: \_\_\_\_\_, 20 \_\_\_\_ Name: Zhiwei Lin

Date: Feb 6, 2003   
Name: Yonghong Yan

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8300



**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

<u>Large Entity</u>		<u>Small Entity</u>			
Fee	Fee	Fee	Fee	<u>Fee Description</u>	<u>Fee Paid</u>
Code	(\$)	Code	(\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1813	8,800	1813	8,800	Request for inter parties reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1809	750	2809	375	For filing a submission after final rejection (see 37 CFR 1.129(a))	
1814	110	2814	55	Statutory Disclaimer	
1810	750	2810	375	For each additional invention to be examined (see 37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
1504	300	1504	300	Publication fee for early, voluntary, or normal pub.	
1505	300	1505	300	Publication fee for republication	
1803	130	1803	130	Request for voluntary publication or republication	
1808	130	1808	130	Processing fee under 37 CFR 1.17(i) (except provisionals)	
1454	1,300	1454	1,300	Acceptance of unintentionally delayed claim for priority	

Other fee (specify) \_\_\_\_\_

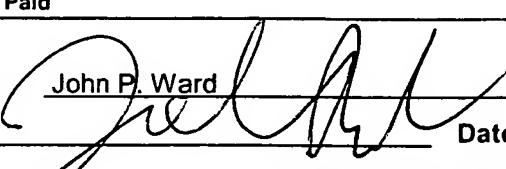
Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$ 40.00**

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY:**

Typed or Printed Name: John P. Ward

Signature:  Date: 3/14/03

Reg. Number: 40,216 Telephone Number: (408) 720-8300 x237

## FIRST CLASS CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to

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Commissioner for Patents  
Washington, D.C. 20231-0001

on 3/14/03

Judy L. Steinkraus

*Judy L. Steinkraus*

Serial/Patent No: <u>10/019,382</u>	Filing/Issue Date: <u>09/28/2000</u>
Client: <u>INTEL CORPORATION</u>	
Title: <u>METHOD AND SYSTEM FOR EXPANDING A WORD GRAPH TO A PHONE GRAPH BASED ON A CROSSWORD ACOUSTICAL MODEL TO IMPROVE CONTINUOUS SPEECH</u>	
BSTZ File No: <u>42390.P9267</u>	
Atty/Secty Initials: <u>JPW/ks</u> RECOGNITION	
Date Mailed: <u>March 14, 2003</u>	
Docket Due Date: <u>04/02/2003</u>	
The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:	
<input type="checkbox"/> Amendment/Response ( <u>      </u> pgs.) <input type="checkbox"/> Express Mail No: _____ <input checked="" type="checkbox"/> Check No: <u>56226</u>	
<input type="checkbox"/> Appeal Brief ( <u>      </u> pgs.) (in triplicate) <input type="checkbox"/> Month(s) Extension of Time <input type="checkbox"/> Amt: <u>\$40.00</u>	
<input type="checkbox"/> Application - Utility ( <u>      </u> pgs. with cover and abstract) <input type="checkbox"/> Information Disclosure Statement & PTO-1449 ( <u>      </u> pgs.) <input type="checkbox"/> Check No: _____	
<input type="checkbox"/> Application - Rule 1.53(b) Continuation ( <u>      </u> pgs.) <input type="checkbox"/> Issue Fee Transmittal <input type="checkbox"/> Amt: _____	
<input type="checkbox"/> Application - Rule 1.53(b) Divisional ( <u>      </u> pgs.) <input type="checkbox"/> Notice of Appeal	
<input type="checkbox"/> Application - Rule 1.53(b) CIP ( <u>      </u> pgs.) <input type="checkbox"/> Petition for Extension of Time	
<input type="checkbox"/> Application - Rule 1.53(d) CPA Transmittal ( <u>      </u> pgs.) <input type="checkbox"/> Petition for _____	
<input type="checkbox"/> Application - Design ( <u>      </u> pgs.) <input checked="" type="checkbox"/> Postcard	
<input type="checkbox"/> Application - PCT ( <u>      </u> pgs.) <input type="checkbox"/> Power of Attorney ( <u>      </u> pgs.)	
<input type="checkbox"/> Application - Provisional ( <u>      </u> pgs.) <input type="checkbox"/> Preliminary Amendment ( <u>      </u> pgs.)	
<input checked="" type="checkbox"/> Assignment and Cover Sheet ( <u>5 p., executed</u> ) <input type="checkbox"/> Reply Brief ( <u>      </u> pgs.)	
<input checked="" type="checkbox"/> Certificate of Mailing <input type="checkbox"/> Response to Notice of Missing Parts	
<input type="checkbox"/> Declaration & POA ( <u>      </u> pgs.) <input type="checkbox"/> Small Entity Declaration for Indep. Inventor/Small Business	
<input type="checkbox"/> Disclosure Docs & Orig & Copy of Inventor's Signed Letter ( <u>      </u> pgs.) <input type="checkbox"/> Transmittal Letter, in duplicate	
<input type="checkbox"/> Drawings: <u>      </u> # of sheets includes <u>      </u> figures <input checked="" type="checkbox"/> Fee Transmittal, in duplicate ( <u>2 pages</u> )	
<input type="checkbox"/> Other: _____	

## FEE TRANSMITTAL FOR FY 2003

**TOTAL AMOUNT OF PAYMENT (\$)** 40.00

**Complete if Known:**

Application No. 10/019,382

Filing Date 12/27/2001

First Named Inventor Zhao, et al.

Group Art Unit Not yet assigned

Examiner Name Not yet assigned

Attorney Docket No. 42390.P9267

**METHOD OF PAYMENT** (check one)

1.  The Commissioner is hereby authorized to charge deficiencies in indicated fees and credit any over payments to:

Deposit Account Number 2-2666

Deposit Account Name

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed: X  Check  
  Money Order  
  Other

**FEE CALCULATION**

1. **BASIC FILING FEE**

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>		
Fee	Fee	Fee			
Code	Code	(\$)			
1001	750	2001	375	Utility application filing fee	
1002	330	2002	165	Design application filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional application filing fee	

SUBTOTAL (1) \$

2. **EXTRA CLAIM FEES**

	<u>Extra Claims</u>	<u>Fee from below</u>	<u>Fee Paid</u>
Total Claims	<u>- 20** =</u>	<u>X</u>	<u>=</u>
Independent Claims	<u>- 3** =</u>	<u>X</u>	<u>=</u>
Multiple Dependent			

\*\*Or number previously paid, if greater; For Reissues, see below.

Large Entity Small Entity

<u>Fee</u>	<u>Fee</u>	<u>Fee</u>	<u>Fee</u>	<u>Fee Description</u>
Code	Fee	Code	Fee	
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code	Fee (\$)	Fee Code (\$)	
1051	130	2051	65
1052	50	2052	25
1053	130	1053	130
1812	2,520	1812	2,520
1813	8,800	1813	8,800
1804	920*	1804	920*
1805	1,840*	1805	1,840*
1251	110	2251	55
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1807	50	1807	50
1806	180	1806	180
8021	40	8021	40
1809	750	2809	375
1814	110	2814	55
1810	750	2810	375
1801	750	2801	375
1802	900	1802	900
1504	300	1504	300
1505	300	1505	300
1803	130	1803	130
1808	130	1808	130
1454	1,300	1454	1,300

Other fee (specify) \_\_\_\_\_

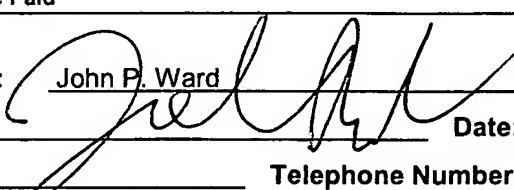
Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$ 40.00**

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Typed or Printed Name: John P. Ward

Signature:  Date: 3/14/03

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying parties:

Qingwei Zhao

Zhiwei Lin

Yonghong Yan

Additional name(s) of conveying party(ies) attached?

No  Yes

3. Nature of Conveyance

Assignment  Merger  
 Security Agreement  Change of Name  
 Other:

Execution Dates: 02/06/03, 02/08/03, 03/12/03

2. Name and address of receiving party:

Name: Intel Corporation

Internal Address: \_\_\_\_\_

Street Address: 2200 Mission College Boulevard

City: Santa Clara State/Provence: CA Zip: 95052-8119

Country: US

Additional name(s) & address(es) attached?  Yes  No

4. Application Number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No. PCT/CN00/00292 and  
10/019,382

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: Blakely, Sokoloff, Taylor & Zafman LLP

Internal Address: \_\_\_\_\_

Street Address: 12400 Wilshire Boulevard, 7<sup>th</sup> Floor

City: Los Angeles State: California Zip: 90025

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41).....\$40.00

Enclosed

Deficiencies authorized to be charged to deposit  
account

8. Deposit Account Number:

02-2666

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original  
document*

John P. Ward

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 5.

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner of Patents, Box Assignments  
Washington, D.C. 20231-0001

Atty Docket No. 42390.P9267